



AC 500V



Max 50A



-40℃~85℃



UL94-V0



IP 68

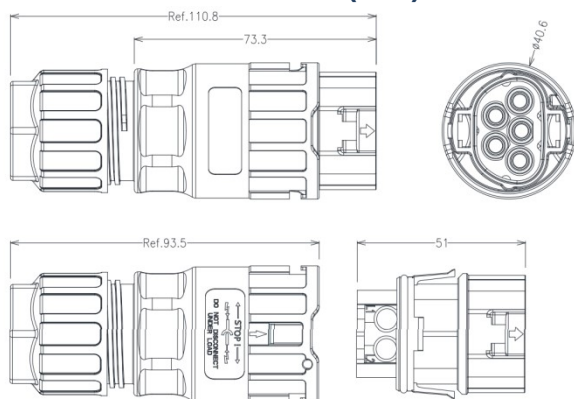


UV Resistance

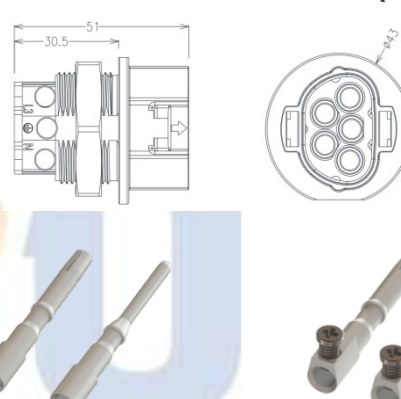
## Product Overview:

A5-5P(50A) series are widely used in string inverters. The products use high quality weather resistance materials that guarantee long-term reliability. The connectors could use 2.5 mm<sup>2</sup> to 6mm<sup>2</sup> cables. The lower contact resistance and higher current transfer capability ensure high product efficiency. IP68 water-proof rating and wide operating temperature range from -40 °C to 85 °C.

### Cable Connector:A5-5PC(F/M)



### Panel Connector:A5-5PP(F/M)



Crimping Terminals

Screw Terminals

## Technical Data:

Rated Voltage	AC 500V
Terminals	5Pin:PE+4P
Certified & Qualified	TUV
Rated Current	25A for 5*2.5mm <sup>2</sup> cables 40A for 5*4.0mm <sup>2</sup> cables 50A for 5*6.0mm <sup>2</sup> cables
Ambient Temp	-40℃ up to + 85℃
Contact Resistance	≤1mΩ
Waterproof IP	IP68
Voltage Test	4000V
Protection Degree	Class II
Fire Resistance	UL94-V0
Material	PPO/ Copper Alloy/PA

**Remark:**The harness could match 5\*2.5mm<sup>2</sup> to 5\*6mm<sup>2</sup> cables, they could be widely used in different applications. The harness series connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C. Customized options available, for more information, please contact NIU Power sales team: Marketing@niu-power.com



## Order Data:

TYPE	Connector Type	Conduct Terminals		Cable OD Range	Package
A55CF1-C	A5-5PCF Female Connector for cable	Crimping terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		13±1mm	10pcs/bag
A55CF2-C				15±1mm	10pcs/bag
A55CF3-C				17±1mm	10pcs/bag
A55CF4-C		Screw terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		13±1mm	10pcs/bag
A55CF5-C				15±1mm	10pcs/bag
A55CF6-C				17±1mm	10pcs/bag
A55CM1-C	A5-5PCM Male Connector for cable	Crimping terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		13±1mm	10pcs/bag
A55CM2-C				15±1mm	10pcs/bag
A55CM3-C				17±1mm	10pcs/bag
A55CM4-C		Screw terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		13±1mm	10pcs/bag
A55CM5-C				15±1mm	10pcs/bag
A55CM6-C				17±1mm	10pcs/bag
A55PF-P1	A5-5PPF Female Connector for Panel	Crimping terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		-	10pcs/bag
A55PF-P2		Screw terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		-	10pcs/bag
A55PM-P3	A5-5PPM Male Connector for Panel	Crimping terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		-	10pcs/bag
A55PM-P4		Screw terminals for 5*2.5mm <sup>2</sup> ~ 5*6.0mm <sup>2</sup> cable		-	10pcs/bag
TYPE	Name	IP	Material	PIC	Package
A5-5PF-IP68	Female Connector water proof Plug	IP68	PPO+Rubber		10pcs/bag
A5-5PM-IP68	Male Connector water proof Plug	IP68	PPO		10pcs/bag
A5-5PF-IP51	Female Connector dust proof Plug	IP51	TPE		10pcs/bag
A5-5PM-IP51	Male Connector dust proof Plug	IP51	TPE		10pcs/bag

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